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PATENT ABSTRACTS OF JAPAN

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(21)Application number : 2002-359466 (71)Applicant : FURUKAWA
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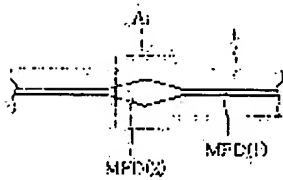
(54) OPTICAL DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an optical device and an optical connector excellent in durability in terms of a fiber fuse phenomenon occurring at the high output driving time.

SOLUTION: In the optical device in which an optical transmission line consisting of an optical fiber L whose at least one part in a light transmitting direction is an area A1 where optical energy density is lower than other part is incorporated, the area where the energy density is lower is formed so that the mode field diameter of at least one part

may be larger than that of other part. Then, the optical connector in which the part having the large mode field diameter is housed in a ferrule is also provided.



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